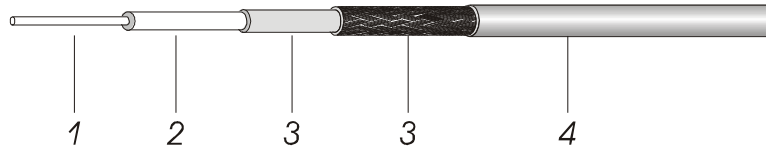


TXM LOW-400P

Plenum Rated Low Loss Coax Cable (available in orange and white)



Construction Specification

	Material	Diameter mm
1. Inner Conductor	Solid BCCAI	2.74±0.025
2. Dielectric	Foam FEP	7.24±0.13
3. Outer Conductor	Aluminum Foil+ Tinned Copper braid	Nom.8.13
4. Jacket	FRPVC (Orange /white)	10.16±0.2

Electrical Characteristics

Cut off Frequency(GHz)	15
Velocity (%)	76
Dielectric constant	1.73
Time Delay (nS/M)	4.40
Impedance(ohm)	50
Capacitance (pF/m)	81
Inductance (μH/m)	0.22
Shielding Effectiveness(dB)	>90
Voltage Withstand (VDC)	2500
Jacket Spark(VAC)	8000
Peak Power(kW)	16

Mechanical and Environmental Characteristics

Bend Radius: Installation mm	25.4
Bend Radius: Repeated mm	101.6
Bending Movement N-m	1.36
Tensile Strength kg	54.5
Flat Plate Crush kg/mm	3.31
Operating Temp °C	-5~+75
Storage Temp °C	-5~+75
Installation Temp °C	-5~+75
RoHS/REACH	Compliant
UL Approved	CMP
Return Loss ≤ dB (0.03~3000MHz)	≤-18

Attenuation (25°C) and Avg. Power (40°C) sea level

Frequency(MHz)	Typical Attenuation(dB/100m)	Maximum Attenuation(dB/100m)	Avg. Power(KW)
50	4.2	4.6	2.57
100	5.8	6.4	1.86
150	7.4	8.1	1.48
220	8.9	9.8	1.22
400	11.2	12.4	0.96
450	12.9	14.2	0.84
900	18.4	20.2	0.59
1000	19.5	21.4	0.56
1500	23.9	26.29	0.45
1800	26.5	29.15	0.41
2000	27.9	30.7	0.39
2500	31.4	34.5	0.34
3400	37.0	40.7	0.29
5800	50.0	55	0.22